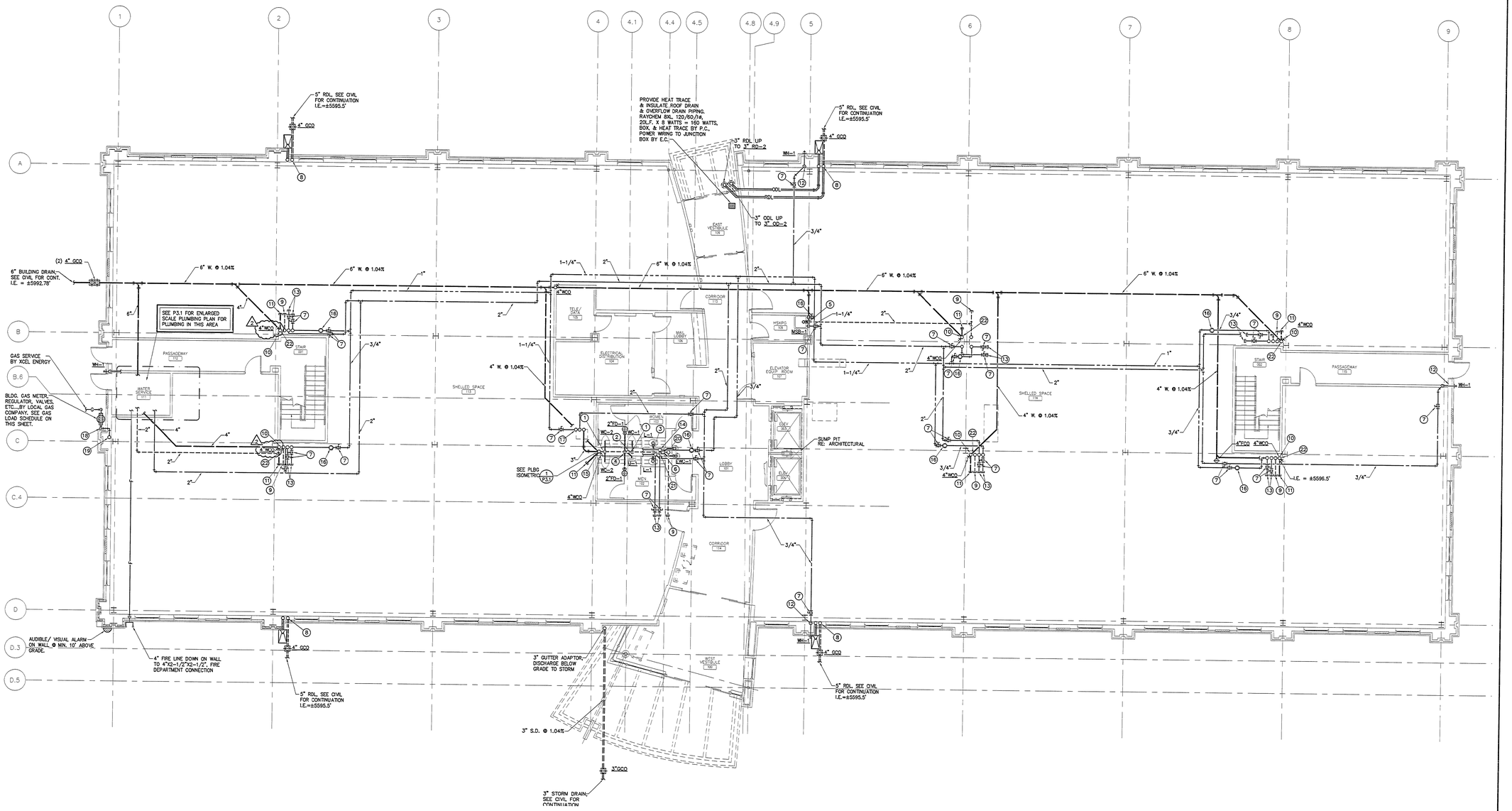
City of Aurora
Building Codes Division
15151 E Alameda Pkwy
Aurora, CO 80012
(303) 739-7420

# Notice

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## PLUMBING GENERAL NOTES:

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2. ROUGH-IN AND FINAL CONNECT ALL FIXTURES, EQUIPMENT, ETC.
3. CONTRACTOR SHALL INSPECT SITE TO THOROUGHLY FAMILIARIZE HIMSELF WITH THE AREA OF WORK. ANY DISCREPANCIES BETWEEN THESE DOCUMENTS AND ACTUAL CONDITIONS SHALL BE REPORTED TO THE ARCHITECT/ ENGINEER FOR RESOLUTION PRIOR TO BID PRICING. NO EXTRAS WILL BE ALLOWED DUE TO LACK OF KNOWLEDGE OF EXISTING CONDITIONS.
4. ALL WORK SHALL BE PER LOCAL BUILDING AND HEALTH DEPARTMENT REQUIREMENTS.

## GAS LOAD SCHEDULE

| APPLIANCE | LOAD |
|---|---|
| (N) GAS WATER HEATERS (2) (396 MBH) | 792 MBH |
| (N) RTU | 1880 MBH |
| TOTAL | 2672 MBH REQUIRED AT S.L. (2.0 PSI) M.C. TO COORDINATE GAS LOAD WITH XCEL ENERGY. |

## PLUMBING KEYNOTES:

1. 4" W. DOWN, 2" V. RISE, AND 1" CW TO WATER CLOSET.
2. 2" W. DOWN, 1-1/2" V. RISE, AND 3/4" CW TO URINAL.
3. 2" W. DOWN, 1-1/2" V. RISE, 1/2" HW, AND 1/2" CW TO LAVATORY.
4. 2" W. DOWN AND 2" V. RISE FROM FLOOR DRAIN.
5. 3" W. DOWN, 2" V. RISE, 1/2" HW, AND 1/2" CW TO MOP SERVICE BASIN.
6. 2" W. DOWN, 1-1/2" V. RISE, AND 1/2" CW TO ELECTRIC WATER COOLER.
7. LINE SIZE BALL VALVES ABOVE CEILING.
8. 5" RDL & 5" ODL DOWN IN WALL ON WARM SIDE OF INSULATION, 5" RDL TO TO OFFSET BELOW GRADE, 5" ODL TO OFFSET TO 5" D.S. NOZZLE @ 18" ABOVE SPLASH BLOCK.
9. 3" V. CAPPED FOR FUTURE
10. WET STACK, SEE 1/P3.1
11. 4" W. CAPPED FOR FUTURE.
12. 3/4" CW DOWN IN WALL ON WARM SIDE OF INSULATION TO 3/4" WH-1.
13. 2" CW & 1-1/4" HW CAPPED FOR FUTURE.
14. WATER RISERS, SEE 1/P3.1
15. WASTE STACK.
16. BALANCING VALVE ABOVE CEILING (BALANCE TO 2.0 GPM).
17. 3" WASTE, 1-1/4" HWC & 2" CW RISE.
18. 2" GAS W/ PLUG VALVE ON HOUSE SIDE OF METER & ENTER BUILDING MIN. 12" ABOVE GRADE.
19. 2" GAS RISE.
20. VENT STACK.
21. TOILET CORE SHUT-OFF VALVES W/ ACCESS PANEL.
22. OFFSET WASTE AROUND COLUMN BELOW GRADE.

# FIRST FLOOR PLUMBING PLAN

SCALE: 1/8"=1'-0" FINISHED FLOOR ELEVATION: ±5598.5'

AURORA BUILDING DEPARTMENT
PLUMBING
APPROVED
SUBJECT TO FIELD INSPECTIONS
SIGNED 1/20/05 DATE

See revised on APPROVED DEC 20 2005

PLOT DATE: December 07, 2004 @ 3:33pm
FILE LOCATION: N:\03098\P2-1.dwg LAYOUT NAME: P2-1


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| ISSUE/REVISION | DATE | NO. |
|---|---|---|
| DESIGN DEVELOPMENT | 17 NOV 03 | |
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| 95% CONSTRUCTION DOCUMENTS | 08 OCT 04 | |
| 100% CONSTRUCTION DOCUMENTS | 25 OCT 04 | |
| ADDENDUM 1 | 09 NOV 04 | 1 |
| PROPOSAL REQUEST #1 | 08 DEC 04 | 2 |
| | | |
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COLORADO REGISTERED PROFESSIONAL ENGINEER 29089 12-8-04

MEDICAL CENTER OF AURORA SOUTH
AURORA, COLORADO

MEDICAL OFFICE BUILDING

RECEIVED DEC 10 2004 Health ONE

CALCON

PROPOSAL REQUEST #1

FIRST FLOOR PLUMBING PLAN

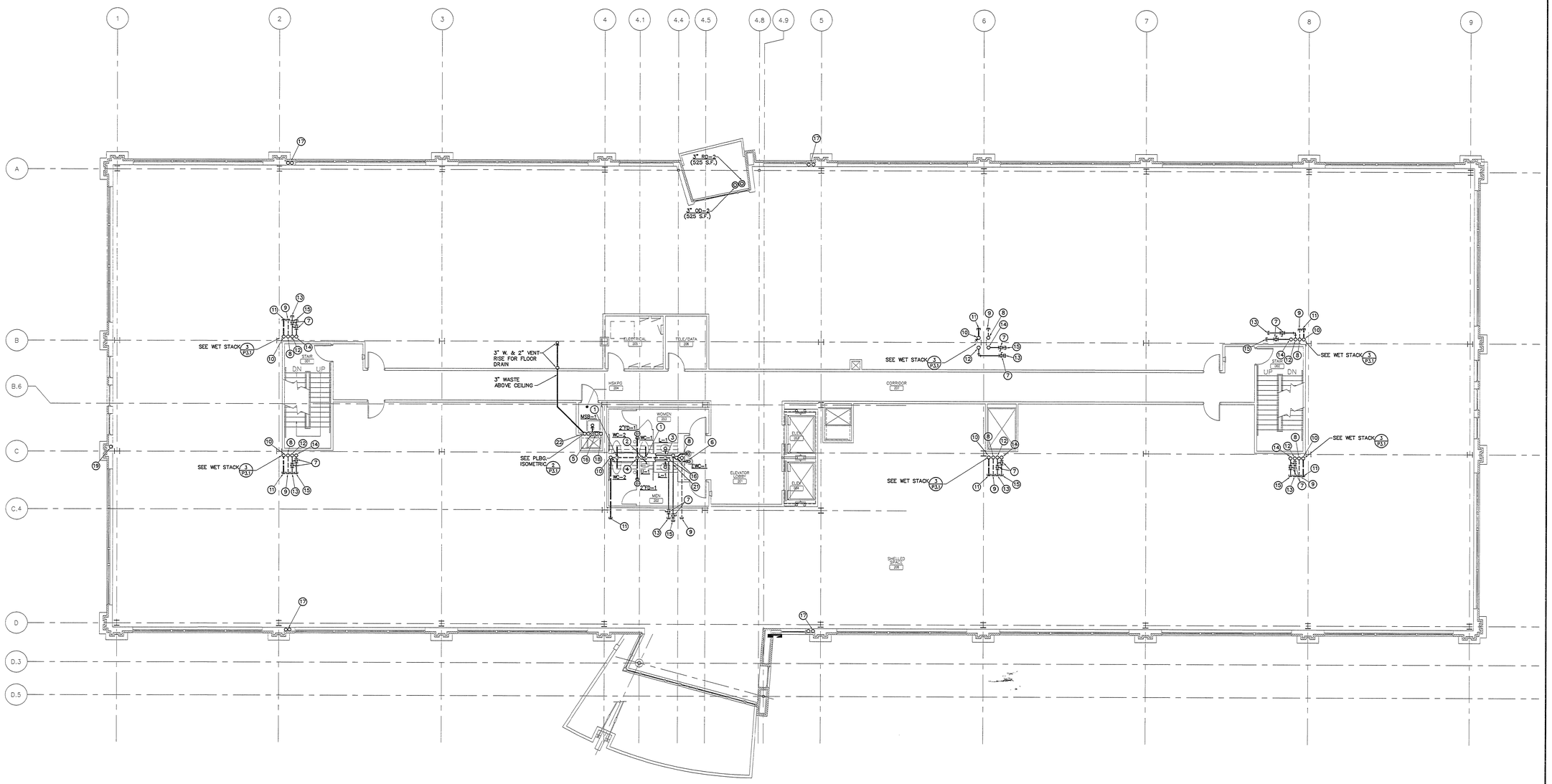
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|---|---|
| DATE | 10-26-04 |
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| X-REF FILE | N:\03098\P2-1.DWG |

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P2.1

D.P.A. PROJECT # 02419.00




## PLUMBING GENERAL NOTES:

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2. ROUGH-IN AND FINAL CONNECT ALL FIXTURES, EQUIPMENT, ETC.
3. CONTRACTOR SHALL INSPECT SITE TO THOROUGHLY FAMILIARIZE HIMSELF WITH THE AREA OF WORK. ANY DISCREPANCIES BETWEEN THESE DOCUMENTS AND ACTUAL CONDITIONS SHALL BE REPORTED TO THE ARCHITECT/ ENGINEER FOR RESOLUTION PRIOR TO BID PRICING. NO EXTRAS WILL BE ALLOWED DUE TO LACK OF KNOWLEDGE OF EXISTING CONDITIONS.
4. ALL WORK SHALL BE PER LOCAL BUILDING AND HEALTH DEPARTMENT REQUIREMENTS.

## PLUMBING KEYNOTES:

1. 4" W. DOWN, 2" V. RISE, AND 1" CW TO WATER CLOSET.
2. 2" W. DOWN, 1-1/2" V. RISE, AND 3/4" CW TO URINAL.
3. 2" W. DOWN, 1-1/2" V. RISE, 1/2" HW, AND 1/2" CW TO LAVATORY.
4. 2" W. DOWN AND 2" V. RISE FROM FLOOR DRAIN.
5. 3" W. DOWN, 2" V. RISE, 1/2" HW, AND 1/2" CW TO MOP SERVICE BASIN.
6. 2" W. DOWN, 1-1/2" V. RISE, AND 1/2" CW TO ELECTRIC WATER COOLER.
7. LINE SIZE BALL VALVES ABOVE CEILING.
8. 4" V. STACK RISE.
9. 3" V. CAPPED FOR FUTURE
10. 4" W. STACK RISE.
11. 4" W. CAPPED FOR FUTURE.
12. 2" CW RISE.
13. 2" CW CAPPED FOR FUTURE.
14. 1-1/2" HW RISE.
15. 1-1/4" HW CAPPED FOR FUTURE.
16. WATER RISERS.
17. 5" RDL & ODL RISE.
18. 2" VENT RISE.
19. 2" GAS RISE.
20. NOT USED.
21. TOILET CORE SHUT-OFF VALVES W/ ACCESS PANEL.
22. 3" WASTE STACK.

# SECOND FLOOR PLUMBING PLAN

SCALE: 1/8"=1'-0" FINISHED FLOOR ELEVATION: ±5598.5'

AURORA BUILDING DEPARTMENT
PLUMBING
APPROVED
SUBJECT TO FIELD INSPECTIONS
SIGNED 11/20/05 DATE


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| 95% CONSTRUCTION DOCUMENTS | 08 OCT 04 | |
| 100% CONSTRUCTION DOCUMENTS | 26 OCT 04 | |

COLORADO REGISTERED PROFESSIONAL ENGINEER 29089 OCT 26 2004 PROFESSIONAL ENGINEER

MEDICAL CENTER OF AURORA SOUTH
AURORA, COLORADO

MEDICAL OFFICE BUILDING

CONSTRUCTION DOCUMENTS

SECOND FLOOR PLUMBING PLAN

| | |
|---|---|
| DATE | 10-26-04 |
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| X-REF FILE | N:\03098\P2-2.DWG |

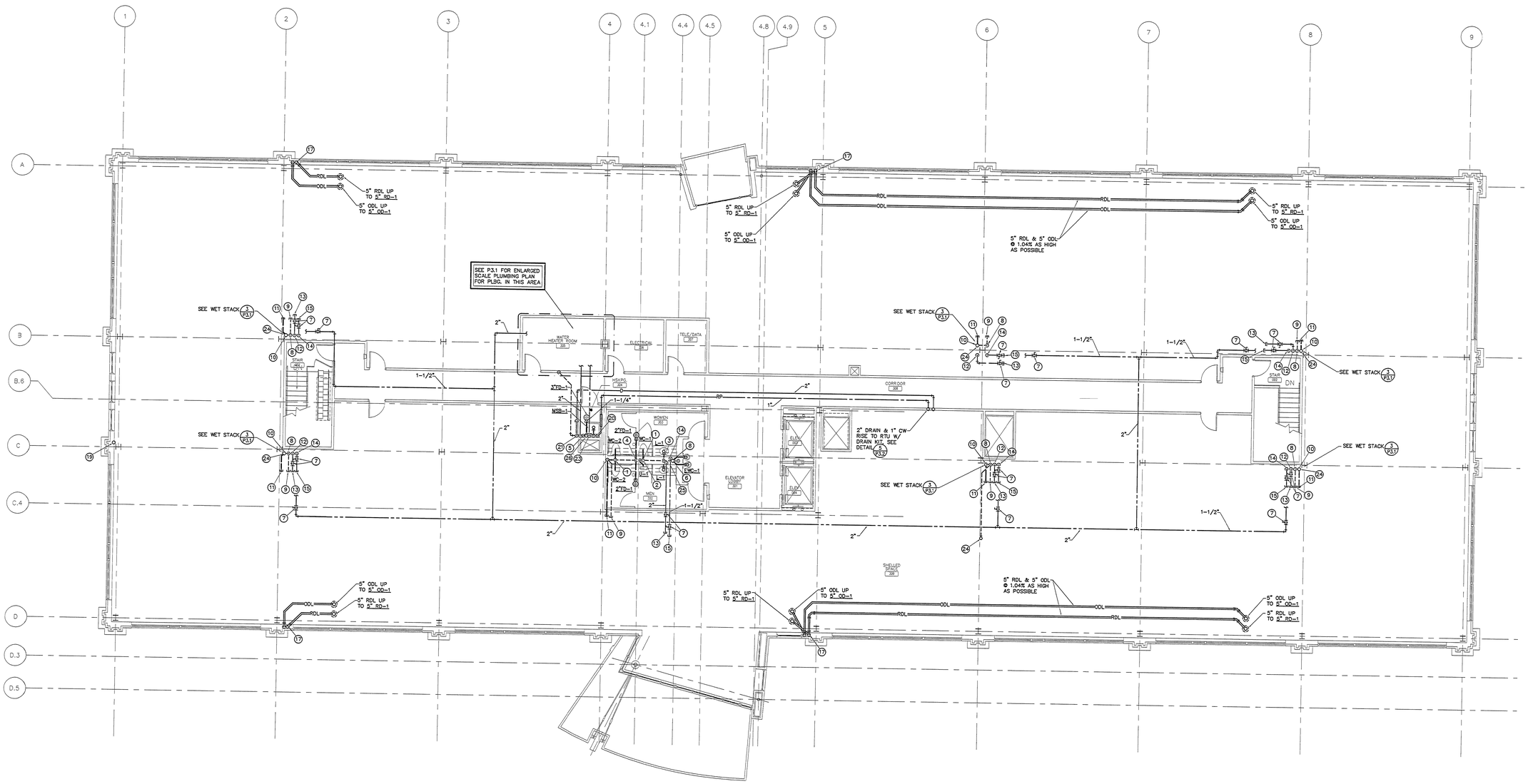
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SHEET NUMBER:

P2.2

D.P.A. PROJECT # 02419.00

PLOT DATE: October 26, 2004 @ 1:45pm
FILE LOCATION: N:\03098\P2-2.dwg LAYOUT NAME: P2-2




## PLUMBING GENERAL NOTES:

1. FIELD VERIFY EXACT LOCATION OF ALL CONNECTION POINTS PRIOR TO CONSTRUCTION.
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4. ALL WORK SHALL BE PER LOCAL BUILDING AND HEALTH DEPARTMENT REQUIREMENTS.

## PLUMBING KEYNOTES:

1. 4" W. DOWN, 2" V. RISE, AND 1" CW TO WATER CLOSET.
2. 2" W. DOWN, 1-1/2" V. RISE, AND 3/4" CW TO URINAL.
3. 2" W. DOWN, 1-1/2" V. RISE, 1/2" HW, AND 1/2" CW TO LAVATORY.
4. 2" W. DOWN AND 2" V. RISE FROM FLOOR DRAIN.
5. 3" W. DOWN, 2" V. RISE, 1/2" HW, AND 1/2" CW TO MOP SERVICE BASIN.
6. 2" W. DOWN, 1-1/2" V. RISE, AND 1/2" CW TO ELECTRIC WATER COOLER.
7. LINE SIZE BALL VALVES ABOVE CEILING.
8. 4" V. FROM BELOW.
9. 3" V. CAPPED FOR FUTURE
10. 4" W. RISE.
11. 4" W. CAPPED FOR FUTURE.
12. 2" CW FROM BELOW.
13. 2" CW CAPPED FOR FUTURE.
14. 1-1/4" HW FROM BELOW.
15. 1-1/4" HW CAPPED FOR FUTURE.
16. BALANCING VALVEABOVE CEILING (BALANCE TO 2.0 GPM).
17. 5" RDL & ODL DOWN.
18. 2" VENT RISE.
19. 2" GAS RISE.
20. 1" CW TO RPBP ON WALL FOR RTU WATER MAKE-UP, PROVIDE FUNNEL DRAIN & AIRGAP TO MSB.
21. 2" DRAIN WITH BALL VALVE, AIRGAP TO MSB.
22. 3" VENT DOWN.
23. 2-1/2" CW & 1-1/4" HW RISE, 2" CW & 3/4" HW OFFSET TO FIXTURES.
24. 4" VENT RISE TO 4" VTR.
25. TOILET CORE SHUT-OFF VALVES W/ ACCESS PANEL.
26. 3" W. DOWN, 2" VENT RISE FOR FLOOR DRAIN.

# THIRD FLOOR PLUMBING PLAN

SCALE: 1/8"=1'-0" FINISHED FLOOR ELEVATION: ±5598.5'

AURORA BUILDING DEPARTMENT
PLUMBING
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PLOT DATE: October 26, 2004 @ 1:43pm
FILE LOCATION: N:\03098\P2-3.dwg LAYOUT NAME: P2-3


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| 95% CONSTRUCTION DOCUMENTS | 08 OCT 04 | |
| 100% CONSTRUCTION DOCUMENTS | 26 OCT 04 | |

COLORADO REGISTERED STEVEN T. PENNY 29089 26 OCT 2004 PROFESSIONAL ENGINEER

MEDICAL CENTER OF AURORA SOUTH
AURORA, COLORADO

MEDICAL OFFICE BUILDING

CONSTRUCTION DOCUMENTS

THIRD FLOOR PLUMBING PLAN

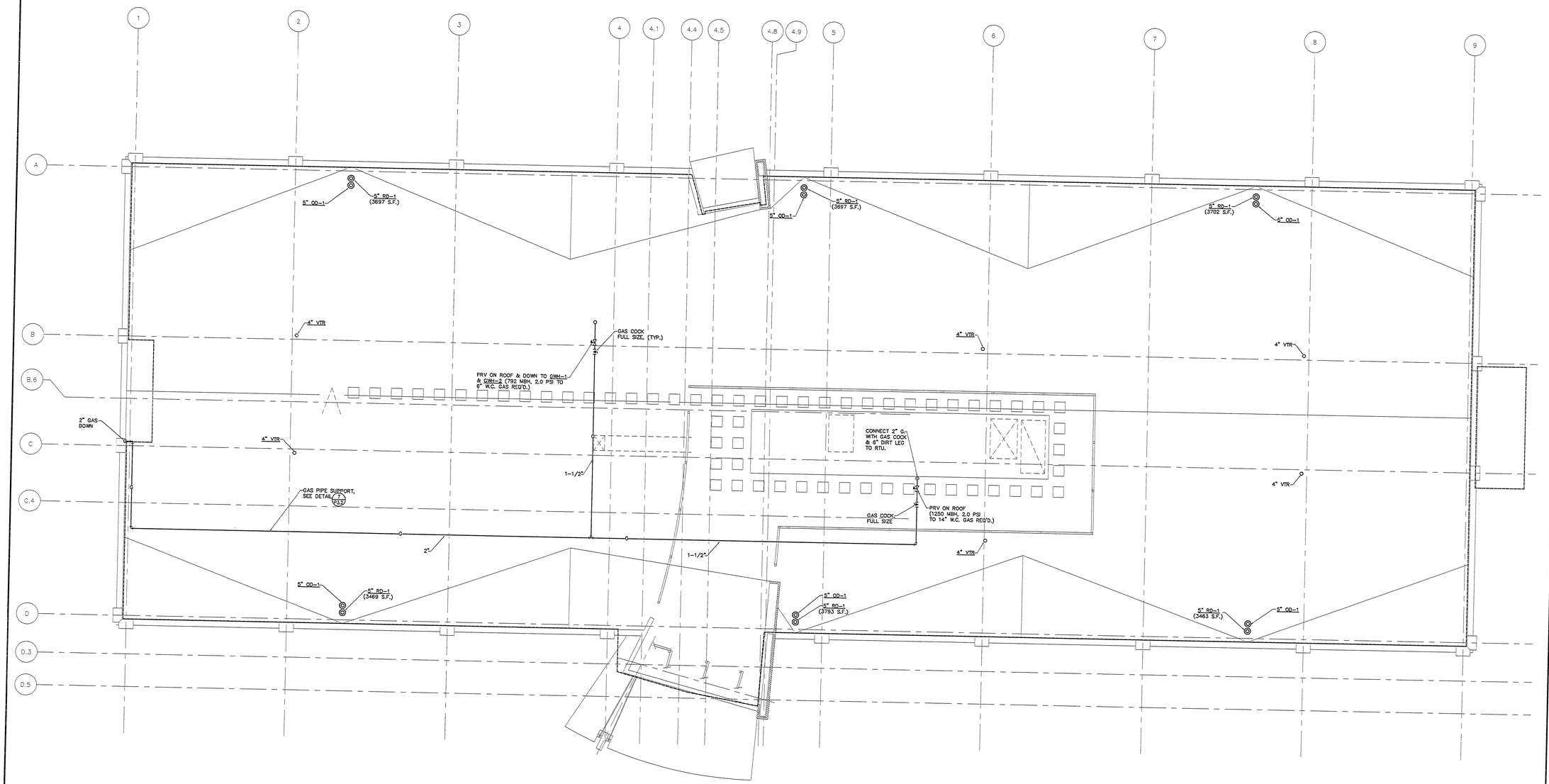
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P2.3

D.P.A. PROJECT # 02419.00




## PLUMBING ROOF PLAN

SCALE: 1/8"=1'-0" FINISHED FLOOR ELEVATION: ±5598.5'

### PLUMBING GENERAL NOTES:

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AURORA BUILDING DEPARTMENT
PLUMBING
APPROVED
SUBJECT TO FIELD INSPECTIONS
SIGNED DATE 11/26/04

PLOT DATE: October 26, 2004 @ 1:45pm
PLOT LOCATION: N:\03098\P2-4.DWG LAYOUT NAME: P2-4


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| 100% CONSTRUCTION DOCUMENTS | 26 OCT 04 | |

COLORADO REGISTERED TIMOTHY R. HOWE 29089 OCT 26 2004 PROFESSIONAL ENGINEER

MEDICAL CENTER OF AURORA SOUTH
AURORA, COLORADO

Health ONE

# MEDICAL OFFICE BUILDING

CONSTRUCTION DOCUMENTS

PLUMBING ROOF PLAN

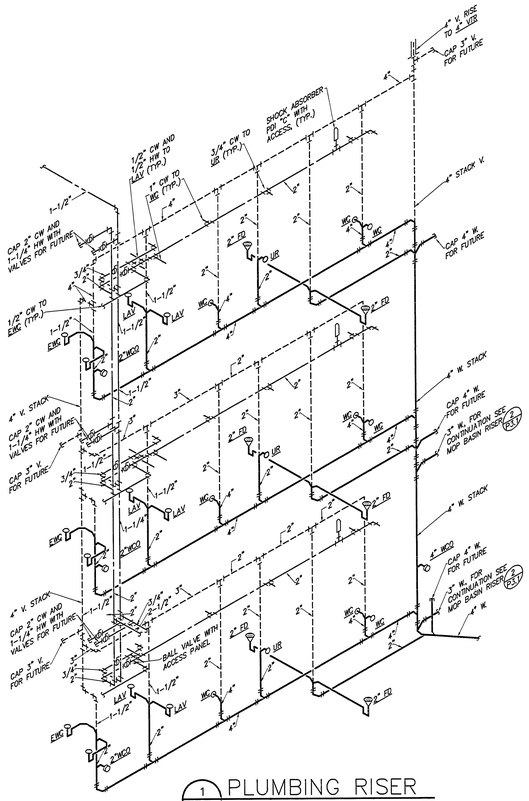
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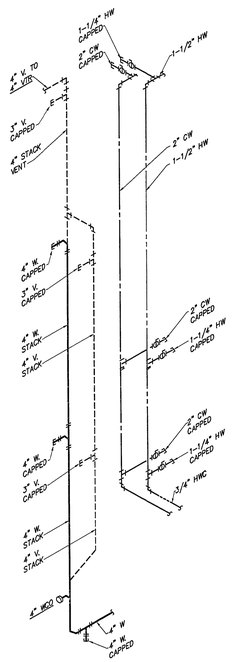
SHEET NUMBER:

P2.4

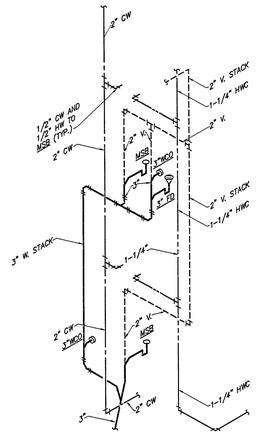
D.P.A. PROJECT # 02419.00




1 P3.1 PLUMBING RISER
SCALE: NONE




3 P3.1 WET STACK RISER
SCALE: NONE



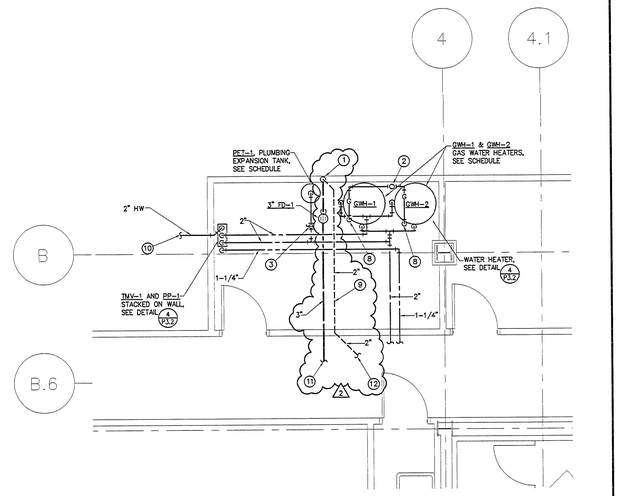

2 P3.1 PLUMBING RISER
SCALE: NONE

## PLUMBING GENERAL NOTES:

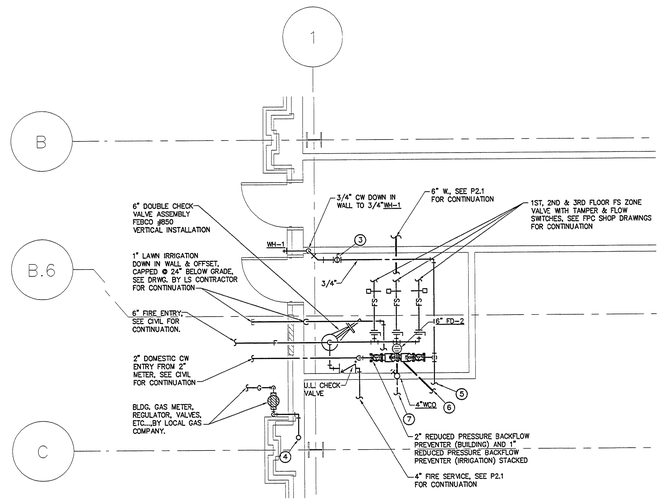
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## PLUMBING KEYNOTES:

1. 3" W. DOWN & 2" VENT RISE FROM FLOOR DRAIN.
2. 2" GAS DOWN FROM ABOVE.
3. BALL VALVE WITH ACCESS.
4. 2" GAS RISE.
5. 2" CW, SEE P2.1 FOR CONTINUATION.
6. 4" WASTE, SEE P2.1 FOR CONTINUATION.
7. 2" VENT, SEE P2.1 FOR CONTINUATION.
8. 1-1/2" GAS DOWN & CONNECT TO GWH-1 & GWH-2 W/ GAS COCK & 6" DIRT LEG. (2)
9. 2" VENT ABOVE CEILING STRUCTURE.
10. 2" HW, SEE P2.3 FOR CONTINUATION.
11. 3" WASTE, SEE P2.3 FOR CONTINUATION.
12. 2" VENT, SEE P2.3 FOR CONTINUATION.




## ENLARGED WATER HEATER ROOM PLBG PLAN
SCALE: 1/4" = 1'-0"




## ENLARGED WATER ENTRY ROOM PLBG PLAN
SCALE: 1/4" = 1'-0"

AURORA BUILDING DEPARTMENT
PLUMBING
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| 100% CONSTRUCTION DOCUMENTS | 26 OCT 04 | |
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COLORADO REGISTERED PROFESSIONAL ENGINEER 29089 12-8-04

MEDICAL CENTER OF AURORA SOUTH
AURORA, COLORADO

MEDICAL OFFICE BUILDING

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PLUMBING RISERS

| | |
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P3.1
D.P.A. PROJECT # 02419.00

PLOT DATE: December 07, 2004 @ 5:29pm
FILE LOCATION: N:\03098\P3-1.dwg LAYOUT NAME: P3.1

## PLUMBING FIXTURE SCHEDULE

| CODE | DESCRIPTION | MANUF. | MODEL | COLOR | FITTINGS | MANUF. | MODEL | FINISH | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| WC-1 | WATER CLOSET | KOHLER | K-4330 | WHITE | FLUSH VALVE SEAT | SLOAN OLSONITE | 111-1.5-LH-MC 95 CC | CHROME WHITE | ②④ 15" FLOOR TO RIM |
| WC-2 | WATER CLOSET (ACCESSIBLE) | KOHLER | K-4330 | WHITE | FLUSH VALVE SEAT | SLOAN OLSONITE | 111-1.5-LH-MC 95 CC | CHROME WHITE | ②④ 18" FLOOR TO RIM |
| U-1 | URINAL | KOHLER | K-4960-ET | WHITE | FLUSH VALVE | SLOAN | 180-1-LH-MC | CHROME | ④⑦ MOUNT 24" AFF |
| L-1 | LAVATORY | KOHLER | K-2211 | BLACK | FAUCET | DELTA | 2523-HDF | CHROME | ①③⑤⑥ OFFSET DRAIN |
| MSB-1 | MOP SERVICE BASIN | FIAT | MSB-2424 | WHITE | FAUCET | ZURN | Z843M1-CS-RC | CHROME | 24x24x10 DEEP UNIT, VACUUM WALL BREAKER, PAIL HOOK, BRACE ⑦ |
| EWC-1 | ELECTRIC WATER COOLER | HALSEY-TAYLOR | HRFSER-Q | STAINLESS STEEL | – | – | – | – | 1/5 H.P., 120/60/1ø |

① 17 GA. P-TRAP, ANGLE SUPPLIES WITH L.K. STOPS ② PROVIDE HORIZONTAL OR VERTICAL CARRIER AS REQUIRED ③ GRID STRAINER ④ BATTERY POWERED ⑤ 0.5 GPM FLOW RESTICTOR ⑥ TRUEBRO #103 INSULATION KIT FOR SUPPLIES AND DRAIN ⑦ FLOOR MOUNTED CARRIER ⑧ MIRROR FINISH ⑦ WITH INTEGRAL CHECK STOPS.

## WATER HEATER SCHEDULE (GAS FIRED)

| CODE | MANUF. & MODEL NO. | STORAGE (GAL.) | G.P.H. RECOVERY @ 100° RISE | MBH INPUT @ SEA LEVEL | FLUE SIZE | TANK SIZE DIA. | TANK SIZE HT. | OPERATING WEIGHT | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| GWH-1 | A.O.SMITH, BTH-400 | 130 | 480 | 396 | 4"ø | 33-1/8" | 74" | 900 LBS | ASME① |
| GWH-2 | A.O.SMITH, BTH-400 | 130 | 480 | 396 | 4"ø | 33-1/8" | 74" | 900 LBS | ASME① |

① (2) ELECTRIC CIRCUITS: (1) 1/3 H.P. PUMP 120/60/1ø, (1) SPARK

## PUMP SCHEDULE

| CODE | MANUF. & MODEL NO. | TYPE | SERVICE | MAX. OP. TEMP | GPM | HEAD (FT) | % EFF. | ELECTRICAL RPM | ELECTRICAL HP | ELECTRICAL VOLT | ELECTRICAL ø | VIBRATION TYPE | CONTROL | WEIGHT (LBS) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PP-1 | BELL & GOSSETT – PL-55 | IN-LINE | DOMESTIC HW CIRC. | 120° F. | 14 | 40' | – | 3250 | 2/5 | 115 | 1 | INTEGRAL | 7-DAY ① TIME CLOCK | – | ALL BRONZE |

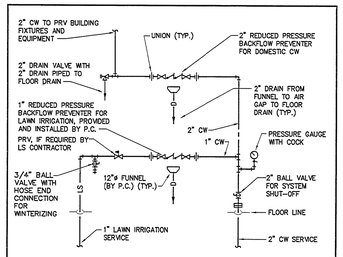
① CLOCK BY T.C.C. AND WIRED BY T.C.C.

## MISCELLANEOUS PLUMBING EQUIPMENT SCHEDULE

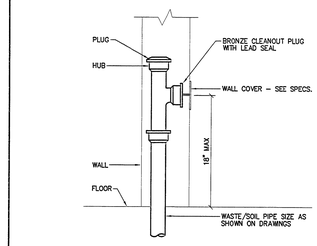
| CODE | DESCRIPTION | MANUF. | MODEL | FINISH | REMARKS |
|---|---|---|---|---|---|
| TMV-1 | THERMOSTATIC MIXING VALVE | LAWLER | 805 | ROUGH BRASS | |
| PET-1 | PLUMBING EXPANSION TANK | AMTROL | ST-30V-C | STEEL | ASME |

## PLUMBING FIXTURE CONNECTION SCHEDULE

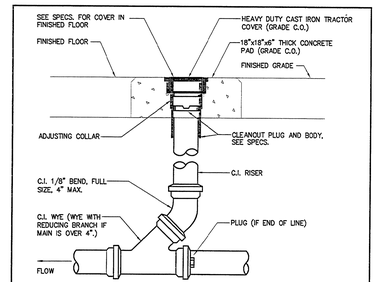
| DESIGNATION | FIXTURE | PIPE SIZE (INCHES, MINIMUM) WASTE TRAP & ARM | WASTE VERT. DRAIN | VENT (MIN.) | COLD WATER SUPPLY (MIN.) | COLD WATER CONNECTION (ACTUAL) | HOT WATER SUPPLY (MIN.) | HOT WATER CONNECTION (ACTUAL) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| WC | WATER CLOSET | INT. | 4" | 2" | 1" | 1" | – | – | |
| U | URINAL | INT. | 2" | 1-1/2" | 3/4" | 3/4" | – | – | |
| LAV | LAVATORY | 1-1/2" | 2" | 1-1/2" | 1/2" | 3/8" | 1/2" | 3/8" | |
| MSB | MOP SERVICE BASIN | 3" | 3" | 2" | 1/2" | 1/2" | 1/2" | 1/2" | |
| EWC | ELECTRIC WATER COOLER | 1-1/2" | 2" | 1-1/2" | 1/2" | 3/8" | – | – | |



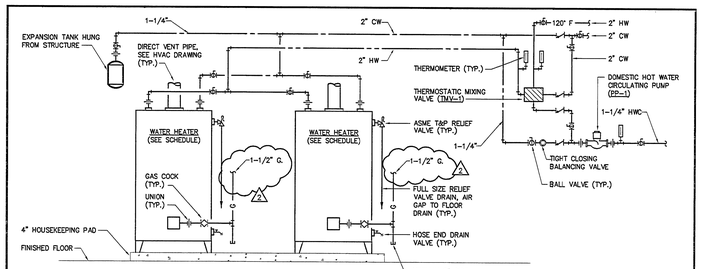

1 P3.2 DOMESTIC CW ENTRY PIPING DETAIL
SCALE: NONE



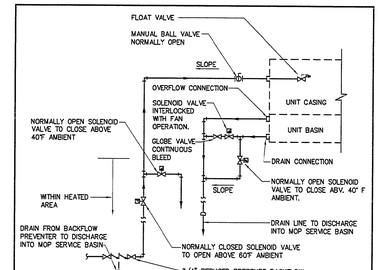

2 P3.2 WALL CLEANOUT DETAIL
SCALE: NONE



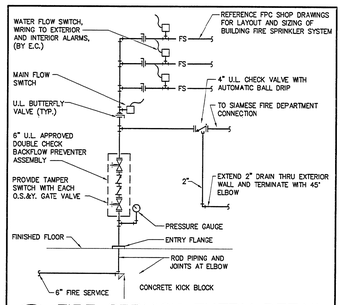

3 P3.2 FLOOR CLEANOUT DETAIL
SCALE: NONE



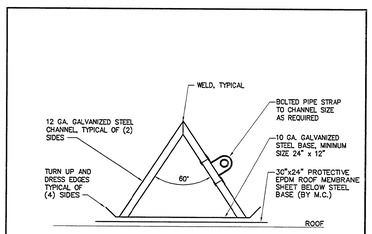

4 P3.2 GAS FIRED WATER HEATER DETAIL
SCALE: NONE




5 P3.2 EVAPORATIVE SUMP PIPING DETAIL
SCALE: NONE




6 P3.2 FIRE SERVICE ENTRY DETAIL
SCALE: NONE




7 P3.2 GAS PIPING SUPPORT DETAIL
SCALE: NONE

AURORA BUILDING DEPARTMENT
PLUMBING
APPROVED
SUBJECT TO FIELD INSPECTIONS
SIGNED 11/26/03 DATE


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weyland enterprises, inc.

MedCap PROPERTIES

The Ballard Group, Inc.
Mechanical Consulting Engineers
(303) 988-4514


| ISSUE/REVISION | DATE | NO. |
|---|---|---|
| DESIGN DEVELOPMENT | 17 NOV 03 | |
| 50% CONSTRUCTION DOCUMENTS | 21 SEP 04 | |
| 95% CONSTRUCTION DOCUMENTS | 08 OCT 04 | |
| 100% CONSTRUCTION DOCUMENTS | 26 OCT 04 | |
| ADDENDUM 1 | 09 NOV 04 | 1 |
| PROPOSAL REQUEST #1 | 08 DEC 04 | 2 |
| | | |
| | | |
| | | |
| | | |

COLORADO REGISTERED 29089 PROFESSIONAL ENGINEER 12-8-04

MEDICAL CENTER OF AURORA SOUTH
AURORA, COLORADO

MEDICAL OFFICE BUILDING

HealthONE

RECEIVED
DEC 10 2004

CALCON
PROPOSAL REQUEST #1

PLUMBING SCHEDULES AND DETAILS

| | |
|---|---|
| DATE | 10-26-04 |
| DRAWN BY | SMB |
| CHK'D BY | TRH |
| X-REF FILE | N:\03098\P3.2.DWG |

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SHEET NUMBER:
P3.2

D.P.A. PROJECT # 02419.00

PLOT DATE: December 07, 2004 @ 5:29pm
FILE LOCATION: N:\03098\P3-2.dwg; LAYOUT NAME: Layout1